REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8

First & Final Bill

M. A. R. 57 (Rule 116)

Measurement Book

No. B 497564

rial No. Construction of drains at Balaji Layout in ward No 8. Kodigehalli.

me of Work ..... From ..... To .....

me of Contractor of nature of Agency M/s K.R. Constructions, Bangalore

te of commencement of work 05-08-2020

te	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Estimate cost- 30.00 Lakhs Job code : 008-19-000147 Work order : BBMP/EE/BTP/WO/68/2020-21 dated 05-08-2020 Head of Account: P-1771 Measurement recorded on : 27-10-2020						
1)	Dismantling of existing structures like Culverts, bridges, retaining walls and other structure Comprising of masonry, Cement Concrete. Wood work, Steel work, including T&P and Scaffolding						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	wherever necessary, Sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lift Complete as per Specification. reinforced Cement Concrete grade M30 and above Quantity vide Pre measurement recorded in E-MB Pg no 1.						
						5.44 Cum	
						@ 1569.97 - - - - Rs 8540.63	
2)	Dismantling of existing structures like Culverts, bridges retaining walls and other structure Comprising of masonry CC, WW, SW including T & P and Scaffolding wherever necessary. Sorting the dismantled material						

M. A.
Me

rial No. .....
me of Work ..... From
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work	Number
	2	3
	disposal of unserviceable ma Serviceable material with a Spec. rubble stone masonry qty vide Pre. measurement record	
3)	Earth work excavation by So il involving an average he and an average lift upto 0.3	

IT BOOK

ensions		Contents	Reference to last Measurem
Breadth 5	Depth 6	7	8
ed material, d stacking the ate of per te grade Mso ed in E-MB Pg no 1. 5.44 Cum - - Rs 854016.3			
e Culverts, bridges mprovig of masonry Sca Holdig uantities material			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497565

rial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Disposal of unserviceable material and stacking the Serviceable material with all lifts complete as per Spec. rubble stone malonry in cement mortar. Qty vide Re-measurement recorded in E-MB. in Pg-no 2. @ 346.80 - -					7.12 Cum - - Rs 2469.21	
	3) Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw upto 2 mtrs and an average lift upto 0.5m, excavated surface						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods Complete as per specs. chapter 3. qty vide Pre measurement recorded in E.MB in pg no 3					353.08 369.15 Cum @ 128.45 -- Rs 45353.12	
17)	lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading. From 0.00 to 2.00 Kms qty vide pre-measurement recorded E.MB-Pg no 4					305.56 313.77 Cum @ 81.61 -- Rs 24936.75	
4)	Providing and laying in position plain Cement Concrete of mix M7.5 with OPC Cement @ 80 Kgs						

M.

rial No. .....

me of Work .....

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work	Num
	2	3
	Using 40mm and down size aggregates @ 0.85 Cum a machine mixed, Concrete laid thick, well Compacted in form Cost of all materials, labour, Complete as per specificat qty vide Pre measurement recorde	

ENT BOOK

mensions			Contents	Referen to last Measuren
h	Breadth 5	Depth 6	7	8
			353.08	
			369.15 Cum	
			-- Rs 45353.12	
			305.86	
			313.77 Cum	
			- Rs 24936.75	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497566

rial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Using 40mm and down size graded granite metal, Coarse aggregates @ 0.85 Cum and fine aggregates @ 0.58 Cum machine mixed, Concrete laid in layers not exceeding 15cm thick, well Compacted in foundation and plinth, including Cost of all materials, Labour, Hire of machinery, curing Complete as per specifications Qty vide Premeasurement recorded in E-MB. in Page No 5 @ 5040.91					47.88 55.34 Cum -- Rs 241358.77	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(5) Providing & Constructing granite/trap/ basalt Size Stone masonry in foundation Cement mortar 1:6 stone hammered dressed in Courses not less than 20cms high, bond stones at two m apart in each Course including Cost of material Labour, Curing Complete as per Specs.- Available stone qty vide Pre-measurement recorded in E-MB in Pg no 6.					2.84 3.30 Cum	
	@ 3064.49 - - - Rs						8703.15
	(6) Providing & Constructing granite/trap/ basalt size stone masonry in foundation Cement mortar 1:6, Stone hammered dressed in Courses not less than 20cms high, bond stones at two m apart in each Course						

ARIL 1101

rial No. .....
me of Work .....
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work	Num
	including Cost of materials, C Per Specs, - New stones qty vide Pre measurement recorded	
7)	Providing ruled pointing to Cou mortar 1:3, 2 mm deep after nicely lining, including Cost of Complete as per specifica	

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
alt Size rtar 1:6 less than n each , Curing			2.84	
g no 6.			3.30 Cum	
@ 3064.49 - - - Rs			8703.15	
alt size stone 1:6, stone less than 20 Cum t in each Course				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497567

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	including Cost of materials, Labour, Curing Complete as Per Specs. - Rubble Stone)						
	Qty vide Pge measurement recorded in E-MB in Page no 7					4.28 4.95 Cum	
	@ 4540.97 - - - Rs						19435.35
	7) Providing ruled pointing to Coursed Stone Masonry with Cement Mortar 1:3, 20mm deep after raking joints to depth of 20mm nicely lining, including Cost of materials, Labour, Curing Complete as per specifications with all leads						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and lifts etc. Complete as per direction of Engineer in charge of the work qty vide Pre Measurement recorded in E-MB mpno 8.					15.84 Sqm @ 140.30 Rs	2222.35
	8) Providing and laying in position PCC of mix 1:2:4 with cement at 240 Kg, with 20mm and down size graded granite metal coarse aggregate at 0.69 Cum and fine aggregate at 0.459 Cum machine mixed, Concrete laid in layers not exceeding 15 cm thick, well compacted for Coping including cost of all material, labour, HOM of machinery curing, Complete as per specifications w.m.s.					JE	

NOT VALID FOR BILLING

erial No. .....
ame of Work .....
ame of Contractor of nature of Agency ....
ate of commencement of work .....

Date	Full description, etc, of work
	2
	all leads & lifts etc. Co engineer in charge of the qty vide Premeasurement rec
	9) Providing & removing Centering & removal of form work do any thickness, including p cost of all materials as per qty vide Premeasurement rec

BOOK

ons		Contents	Reference to last Measurem
readth 5	Depth 6	7	8
no 8.			
		15.84 Sqm	
40.30		-- Rs 2222.35	
		JE	
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M. A. R. 57 (Rule 116)
Measurement Book

No. B 497568

rial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	all leads & l/ts etc. Complete as per direction of Engineer in charge of the work qty vide Premeasurement recorded in E-MB in pg no 9					1.83 2.92 Cum	
				@ 5219.74		-- Rs 9552.12.	
							JE
9	Providing & removing Cofferdam, Shuttering, Strutting, Propping etc. & removal of form work for Vertical Surface & Retaining Walls at any thickness, including Pilasters, buttresses, Plinth & String Course of all materials as per Specifications qty vide Premeasurement recorded in E-MB in Pg no 10					1000.80 Sqm	
				@ 353.71		--- Rs 353992.96	
							JE

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
11)	Providing TMT/Fe 500 reinforcement for RCC work including straightening, cutting bending, hooking, placing in position, lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (caps, hooks & wastage) shall not be measured and paid cost of materials, labours T&M complete as per specifications qty vide Pre measurement recorded in EMB in page No 11					6.80 MT @ 70145.89 --- Rs	476992.03 / 477132.34
12)	Providing & laying in position cement concrete (1:1.5:3) (1 cement : 1.5 coarse sand : 3 graded stone aggregates 20mm & down size as per specifications) including curing, finishing with necessary (except reinforcements) (centering & shuttering) laid in layers not exceeding						

Material No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Form works & Staffolding with all lead & lifts etc. & MC Column footing & secondary beam qty vide Post measurement

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
RCC work including ing in position, lapping ying with binding. embers, wherever nooks & wastage) (hard motors, labours				
B on page No 11			6.80 MT	476992.05
			@ 70145.89 --- Rs	477132.34
& down size granite) for R.C.C works ll Compacted (cement mortar)				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497569

rial No. ..... From..... To.....
me of Work .....
me of Contractor of nature of Agency .....
te of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	Form works & Staffolding ~~to~~ with hand pumping of Concrete, with all lead & lifts etc. & RC 20 (1:1.5:3) for raft foundation, Column footing & Secondary Beams. Qty vide Post measurement recorded in						
	Pg no 4 of 5					115.83 Cum	
						@ 5378.81... Rs	623027.56
12)	Providing & laying in position RCC M20 mix with stone aggregates 20mm & down size for slab (including steel reinforcements) centering & shuttering, machine mixed concrete laid in layers not exceeding 15cm thick well						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Compacted Cost of all materials labour, Hire of machinery, Carry Complete as per Spcn plinth - 200 mm. qty vide post measurement recorded on Pg no. 4 of 5					13.20 Sqm	
					@ 4103.84	..... Rs 54170.68.	
13)	Providing & laying in position RCC M20 Mix with stone aggregate 20 mms & down size for slab, including centering & Shuttering, machine mixed Concrete laid in layers not exceeding 15 cm thick well compacted Cost of all materials, as per specifications. 100 mm thick qty vide post measurement recorded on Pg no 5 of 5					271.80 Sqm	
					@ 1957.41	.. Rs 532024.03	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
	2
14)	Providing & laying in Position Cement @ 300 Kgs with 20mm Course aggregate @ 0.64 Cum with Superplasticizer @ not Exceeding 15cm. Incl as per specifications qty vide Post measurem
15)	Vacuum dewatering with Completion with Skin

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
v, HOM of ... 200 mm.				
q no. 4 of 5			13.20	Sqm
	@ 4103.84		..... Rs	54170.68
d with stone including ... crete laid ... ll completed ... 100 mm thick				
q no 5 of 5			27.80	Sqm
@ 1957.41			.. Rs	532024.6

JE

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497570

...ial No. .....
...me of Work ..... From..... To.....
...me of Contractor of nature of Agency .....
...te of commencement of work .....

...te	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
4)	Providing & laying in Position PCC @ mix M20 with OPC cement @ 300 Kg/cum with 20mm and down size graded granite metal coarse aggregate @ 0.64 cum and fine aggregate @ 0.43 cum with Superplasticizer @ 3% by Cm/kg conforming to IS 9103:1999 not exceeding 15cm. Including Cost of all material & labour machinery as per specification						
	qty vide Post measurement recorded on Page no 5 of 5				@ 5264.20	13.65 ... Rs	cum 71856.33
5)	Vacuum dewatering with Vacumm pump & suction mat & Completion with skin ... water Cubbed with floating						

JE

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	dise, including Cost of generator, HSD of machinery Grease Vibrator, Power floater, blade & dise etc with all lead & lift qty vide Post measurement recorded of Pg no 5 @				@ ...	45.50 Sq/m 87.19 Sq/m ... Rs 3957.14 JE	
16)	Providing, groove cutting for width of 5mm to 10mm & depth 80mm to 100mm including Cost of cutting machine, generator & HSD of machinery, including cost of blade Coolant etc including cleaning of groove & providing Sand and hot bitumen fillers & filler metal etc including Cost of Conveyance of all material labour lead & lift						

ial No. .....
me of Work .....
me of Contractor of nature of Agency
te of commencement of work .....

ate	Full description, etc, of work
	2
	charges & all other inc qty vide Post measurem

ENT BOOK

Dimensions			Contents	Reference to last Measurement
h	Breadth 5	Depth 6	7	8
...machine Steel ...th all head & Lift				
Pg no 5			45.50 Sqm	
@ ...			67.19 ~~Sqm~~	
@			... Rs 3057.14	
			JE	
...to 10mm & ...g machine, ...cost of Blade ...provide Sand ...etc. including ...head & lift				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497571

...al No. .....
...me of Work ..... From..... To.....
...me of Contractor of nature of Agency .....
...e of commencement of work .....

...te	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	charges & all other incident Charges as per drawing qty vide post measurement recorded on Pg no 5 of 5				@ 13338 ... Rs	6.50 Rm 866.97	
			2478559.17			Subtotal: Rs	2478699.46
			297427.10			Add Cost @ 12% Rs	297443.93
			2775986.27				
			2775900			grand total Rs	2776143.39
						JE.	

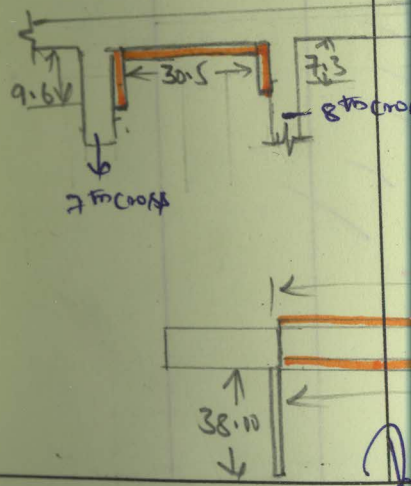
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:						
	1) The contractor has done the work satisfactorily.						
	2) There is no departmental issues with the Contractor						
	3) The Contractor has Cleared all the debris from work spot.						
	[Contractor]						

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
	2	



EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8

satisfactorily.
the Contractor
rs from work spot.

Malla

[Contractor]

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497572

rial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

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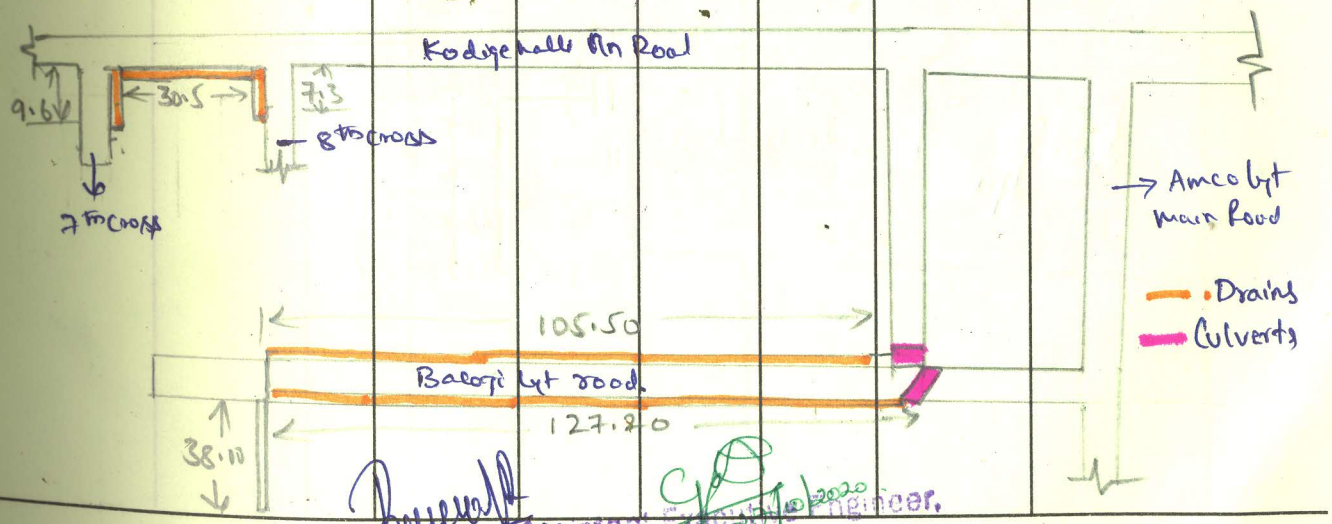
ate	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		



Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

1st & Final

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P1771- Prow Works ರಡಿ		TTB	2775900			
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 2775900/ ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ.		It	27759			
	ಇದರಲ್ಲಿ ರೂ. 1160000/= ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ		CGST	24785			
	ಮಾಡಿಕೊಂಡು ರೂ. 26,59,900/= ಗಳನ್ನು		SGST	24785			
			Cen.	27759			
	FT/NEFT/RTGS ಮುಖಾಂತರ ಕೊಡಲಾಗಿದೆ		CBIC	2776			
	ವಿಷಯ ನಿರ್ವಾಹಕರು ಲೆಕ್ಕಾಧಿಕಾರಿ II ಬೃಹದಾಯತನಮಠ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು		LR	5360			
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು II ಬೃಹದಾಯತನಮಠ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು		II Fine	2776			
			Ded:	1160000			
			Cheque	2659900			

ate | Full description, etc, of work | 2